



Ultra Electronics Card Systems is one of the pioneers of ID card printing, having manufactured card printers since 1993. We differentiate ourselves by providing a quality product with enhanced card security features, and by providing the best support and warranty in the business.

Ultra Electronics Card Systems is part of the international aerospace, defence and security group, Ultra Electronics Holdings plc. With 4,000 employees, located mainly across the UK and North America, Ultra Electronics concentrates on obtaining a technology edge in niche markets, with many of our products and technologies being market leaders in their field.



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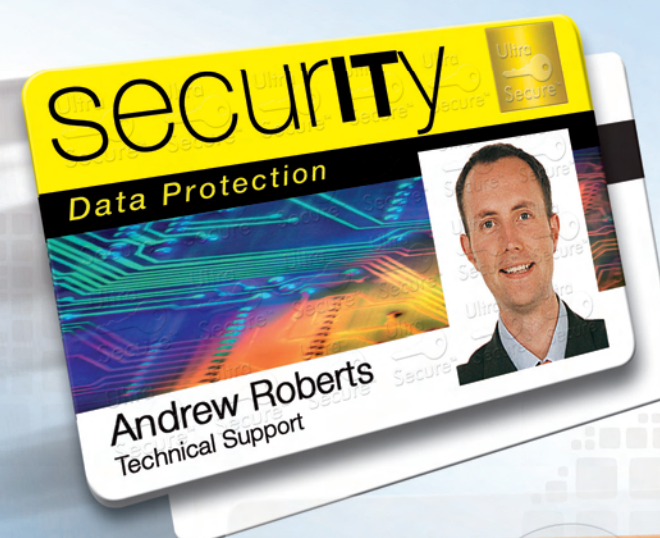
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MAGICARD
Secure ID card printers



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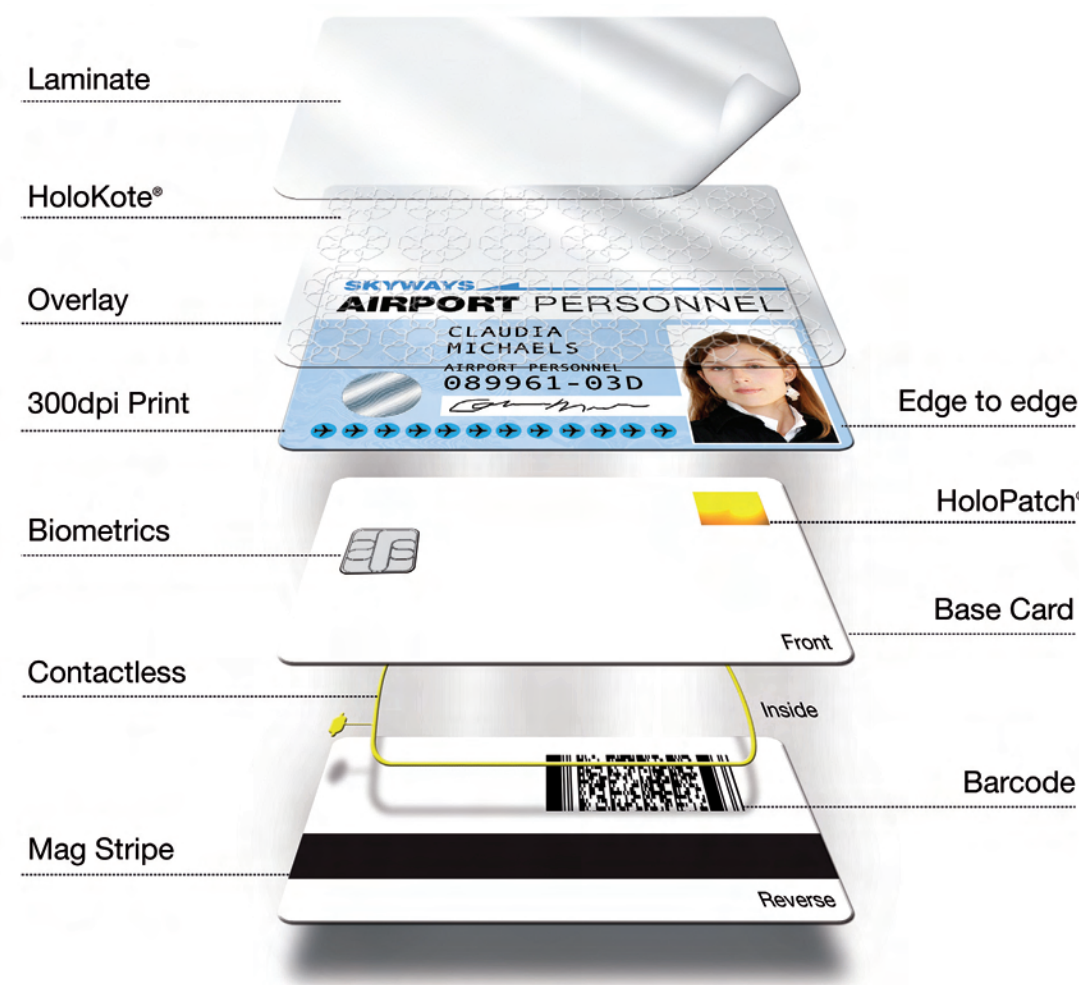
MAGICARD Secure ID Card Printers

Whatever your needs for plastic card printing, our wide range of Magicard color card printers offers you the very best in image quality, security, and innovation for all your card printing solutions.

It's all about the card...

ID or Identity cards, as their name implies, are used to identify individuals. Common applications include company ID cards, access control cards, membership cards, retail loyalty cards and government cards like driving licences.

ID cards are different from many other types of cards we use, such as credit cards, because ID cards are personalized to individual and organizational needs. Personalization means photos on the card, people's names, organization names, but can also extend into signatures, barcodes, and other forms of identification. Many cards these days also have electronic means of identification, such as embedded chips and magnetic stripe.



How HoloKote® is printed onto the card.

Color cards are printed using a thermal transfer YMCKO dye film. After the color image has been printed onto the card, the clear “O” panel is applied to protect the image from fading or scratching. MAGICARD’s thermal transfer printer models have a unique facility called HoloKote for frosting a security image into the clear overcoat during the print process. This is a patented Magicard feature and unlike most other security marks, it involves no extra cost to produce on the card.

How do HoloKote® and HoloPatch® work together as a visible security feature?

The unique HoloKote feature is daylight visible by tilting the card to view the transparent anti-counterfeiting watermark. For even greater security, HoloPatch cards combined with HoloKote provide a distance-visible security mark allowing a security guard or colleague to easily verify badge authenticity from a distance of six feet or more. It's the ultimate in card security simplicity.



The built-in HoloKote watermark is a user option controlled by driver settings. Custom HoloKote watermarks are ordered separately.

Printer features.



HoloKote®

The Ultra patented built-in HoloKote security watermark comes free with every Pronto, Enduro, Rio 2e Tango 2e printer.



HoloKote FLEX™

A fully flexible and custom anti-counterfeiting watermark printed across the entire card surface. Custom security for your cards only.



HoloPatch®

Completely unique to Magicard, HoloPatch cards have a highly reflective gold 'super diffuser' seal. When used in conjunction with the HoloKote anti-counterfeiting feature, the security mark is highlighted for distance visibility.



Edge-to-Edge

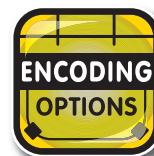
Edge-to-edge full color printing produces a high quality 300dpi image right to the edge of the card. Available on all Magicard printers.



Rewritable

Rewritable cards have one glossy side in PVC for color/monochrome dye sublimation printing and a matte finish rewritable side with a blue or black thermo chromic material that can be printed for up to 500 rewrite cycles. Available as standard on Pronto printer.

Card encoding.



Card encoding allows electronic data on the card to be written to at the same time as printing a card. Magicard ID card printers support a wide range of card encoding in the printer:

- Magnetic stripe cards.
All printers can be specified with ISO standard 7811 compatible HiCo encoding of magnetic stripe cards.
- Contact smart cards.
- Contactless smart cards (proximity card).

Mag stripe

A dual coercivity HiCo/LoCo mag stripe encoder option which offers encoding of all three tracks with complete user format flexibility.

Contact chip encoding

Optional ISO7816 internal smart card chip encoding contact station can be combined with the Mag stripe Encoder option.

Contactless encoding

Rio 2e, Tango 2e and Prima 4.
Various contactless smart card encoding options.



The best warranty and support in the industry - UltraCoverPlus is our promise to keep you printing.



UltraCoverPlus is your three year unlimited warranty package included with our professional range of card printers. Direct technical support, replacement printheads, and even a loan printer are provided FREE in the event a customer's machine requires depot service.

Available in the EU, North America and other selected countries.



Warranty subject to the observance of specific conditions of use and maintenance, as well as the use of certified 'Original Magicard' dye films.

For more information visit www.magicard.com

BADGING SERIES



Pronto

**Hand-fed ID Card Printer:
Simply the best value color ID card printer.
Now with rewritable technology as standard.**

A quality dye-sublimation ID card printer at a great price. Incredibly easy to use with drop-in dye film and hand-fed card loading.

PRINTER •Single-sided hand-fed and rewritable printer

SECURITY •HoloKote card forgery protection
•4 fixed standard HoloKote patterns
•Prints on HoloPatch cards

ENCODING •Magstripe (optional)

REWRITE •Print, erase and reprint a single rewritable card up to 500 times.

Pronto Specifications

Printing

Print Technology Dye sublimation/rewritable.
Print Speed 35 seconds color, 7 seconds monochrome.
Card Thickness 0.51mm to 1.02mm (20 mil to 40 mil).
Card Capacity Hand fed - 1 card at a time.

Consumables

Dye Film MA100YMCKO : 100 image YMCKO dye film.
MA300YMCKO : 300 image YMCKO dye film.
MA600KO : 600 image black resin dye film with overcoat.
MA1000K : 1000 image black resin dye film. (various colors available).
Laminates N/A.
Cards CR80 and CR79 ISO PVC blank, magnetic stripe, self-adhesive, rewritable and HoloPatch cards.

Security

(Use driver settings to activate HoloKote).

Security watermark Standard HoloKote® (4 standard designs).
Gold seal HoloPatch® card stock - ordered separately.



Encoding

(Please specify when ordering)

Magnetic stripe HiCo and LoCo encoder ISO std. 7811.
Smartcard encoder N/A.
Contactless N/A.

Printer

Printer interface USB rev.1.1 (USB 2.0 compatible).
Drivers/software Windows 2000, 2003, XP, Vista and 7.
Dimensions Pronto (Part No: 3649-0001), Pronto MAG (Part No: 3649-0002): 215mm W x 233mm H x 270mm D (8.4" W x 9.1" H x 10.6" D).
Warranty 2 years limited warranty (EU and North America), Elsewhere 12 months limited warranty.

BADGING SERIES



Enduro

The single to dual-sided upgradable printer for plastic cards.

For added flexibility a simple drop-in upgrade option allows for field upgrade from single to double-side printing for customers whose requirements change in the future.

PRINTER •Specify single or double-sided as required
(Option for double-side upgrade may be ordered later)

SECURITY •HoloKote card forgery protection
•4 fixed standard HoloKote patterns
•Prints on HoloPatch cards

ENCODING •Magstripe (optional)

Enduro Specifications

Printing

Print Technology Dye sublimation.
Print Speed 35 seconds color, 7 seconds monochrome.
Card Thickness 0.51mm to 1.02mm (20 mil to 40 mil).
Card Capacity 100 card feeder, 30 card stacker.

Consumables

Dye Film MA300YMCKO : 300 image YMCKO dye film.
MA250YMCKOK : 250 image YMCKOK dye film (Double-sided).
MA600KO : 600 image black resin dye film with overcoat.
MA1000K : 1000 image black resin dye film. (various colors available).
Laminates N/A.
Cards CR80 and CR79 ISO PVC blank, magnetic stripe, self adhesive and Holopatch cards.

Security

(Use driver settings to activate HoloKote).

Security watermark Standard HoloKote® (4 standard designs).
Gold seal HoloPatch® card stock - ordered separately.



Encoding

(Please specify when ordering)

Magnetic stripe HiCo and LoCo encoder ISO std. 7811.
Smartcard encoder N/A.
Contactless N/A.

Printer

Printer interface USB rev.1.1 (USB 2.0 compatible).
Drivers/software Windows 2000, 2003, XP, Vista and 7.
Dimensions Enduro (Part No: 3633-0001), Enduro Duo (Part No: 3633-0021): 206mm W x 206mm H x 453mm D (8.1" W x 8.1" H x 17.8" D).
Warranty 2 years limited warranty (EU and North America), Elsewhere 12 months limited warranty.

Rio 2e



Single-sided ID Card Printer.

The high security Rio 2e prints top quality images and offers customers an option for fully customizable HoloKote watermark protection. This 3rd generation model, with ethernet as standard, is the preferred printer for secure access control single-side cards.

- PRINTER
- Single-sided secure printer
- SECURITY
- HoloKote card forgery protection
•Custom security logos and text
•Prints on HoloPatch cards
- ENCODING
- Magstripe/Contactless/Contact chip (optional)

Tango 2e



Double-sided ID Card Printer.

High-throughput and high security. The robust double-sided Tango 2e prints top quality images and offers customers an option for fully customizable HoloKote watermark protection. This 3rd generation model, with ethernet as standard, is the preferred printer for secure access control double-sided cards.

- PRINTER
- Double-sided secure printer
- SECURITY
- HoloKote card forgery protection
•Custom security logos and text
•Prints on HoloPatch cards
- ENCODING
- Magstripe/Contactless/Contact chip (optional)

Prima 4



Reverse-transfer laminating printer.

The Prima 4 uses reverse-transfer printing technology. Images are printed from a YMCK dye film onto a thin retransfer film in a "reverse image" then heat transferred onto the card. The Prima 4 produces superb edge-to-edge images with a glossy photo finish quality. Reverse transfer printing technology is ideal for smart cards and proximity cards where the surfaces are not consistently flat.

- PRINTER
- Single-sided or double-sided
- SECURITY
- Standard and Custom holograms
- ENCODING
- Magstripe/Contactless/Contact chip (optional)

Rio 2e Specifications

Printing	
Print Technology	Dye sublimation.
Print Speed	Color 22 seconds, 6 seconds monochrome.
Card Thickness	0.51mm to 1.6mm (20mil to 63mil).
Card Capacity	100 card feed hopper, 50 card output stacker.
Consumables	
Dye Film	LC1 : 350 image YMCKO dye film. LC3 : 1000 image monochrome resin dye film (range of colors). LC6 : 600 image KO dye film, (black resin and overcoat).
Laminates	N/A.
Cards	All standard PVC ISO CR80 cards. HiCo mag stripe and HoloPatch available.
Security (Use driver settings to activate HoloKote).	
Security watermark	Standard (3 design options), or custom.
Gold seal	HoloPatch® card stock ordered separately.
Encoding (Optional Encoders may be ordered with select model printers if required)	
Magnetic stripe	HiCo and LoCo encoder ISO std. 7811.
Smartcard encoder	Chip contact encoding facility.
Contactless	iClass, Desfire, Mifare, Legic.
Printer	
Printer interface	USB rev.1.1 (USB 2.0 compatible) + Ethernet.
Drivers/software	Windows 2000, 2003, XP, Vista and 7.
Dimensions	Rio 2e (Part No. M9006-749), : Rio M 2e (Part No. M9006-751), 370mm W x 233mm H x 194mm D (14.5" W x 9.1" H x 7.6" D).
Warranty	3 years UltraCoverPlus warranty (EU, North America and selected other territories). Elsewhere 12 months limited warranty.

Tango 2e Specifications

Printing	
Print Technology	Dye sublimation.
Print Speed	Double-side color/black – 30 seconds.
Card Thickness	0.51mm to 1.6mm (20mil to 63mil).
Card Capacity	100 card feed hopper, 50 card output stacker.
Consumables	
Dye Film	LC1 : 350 image YMCKO dye film. LC3 : 1000 image monochrome resin dye film (range of colors). LC6 : 600 image KO dye film (black resin and overcoat). LC8 : 300 image YMCKOK dye film.
Laminates	N/A.
Cards	All standard PVC ISO CR80 cards. HiCo mag stripe and HoloPatch available.
Security (Use driver settings to activate HoloKote).	
Security watermark	Standard (3 design options), or custom.
Gold seal	HoloPatch® card stock ordered separately.
Encoding (Optional Encoders may be ordered with select model printers if required)	
Magnetic stripe	HiCo and LoCo encoder ISO std. 7811.
Smartcard encoder	Chip contact encoding facility.
Contactless	iClass, Desfire, Mifare, Legic.
Printer	
Printer interface	USB rev.1.1 (USB 2.0 compatible) + Ethernet.
Drivers/software	Windows 2000, 2003, XP, Vista and 7.
Dimensions	Tango 2e (Part No. M9006-745), Tango M 2e (Part No. M9006-747): 471mm W x 233mm H x 194mm D (18.5" W x 9.1" H x 7.6" D).
Warranty	3 years UltraCoverPlus warranty (EU, North America and selected other territories). Elsewhere 12 months limited warranty.

Prima 4 Specifications

Printing	
Print Technology	Reverse-transfer.
Print Speed	Up to 80 cards per hour depending on settings.
Card Thickness	0.25 mm to 1.0 mm (10 mil to 40 mil).
Card Capacity	100 cards in feed tray, 100 cards output stacker.
Consumables	
Dye Film	Prima 431 : Set of YMCK dye film and retransfer film - 1000 images. Prima 433 : 750 YMCKK full-color one side and black on reverse. Prima 434 : 750 YMCK-UV full-color and UV.
Retransfer Film	Prima 436 : 1000 images (must be paired with dye film for printing).
Laminates	Thin, 0.5 mil and 1 mil laminates available. Clear and holographic.
Cards	PVC, ABS, PET, PVH, and Polycarbonate ISO Standard CR80 sized cards.
Security	
Security mark	UV Hologram watermark in Retransfer film. Holographic laminates 0.5 mil to 1mil (Laminator unit option only).
Gold seal	N/A.
Encoding (Please specify when ordering)	
Magnetic stripe	HiCo encoder ISO std. 7811.
Smartcard encoder	Chip contact encoding facility.
Contactless	iClass, Desfire, Mifare, Legic.
Printer	
Printer interface	USB 2.0 (high speed) + ethernet fitted as standard.
Drivers/software	Windows 2000 Professional (SP4), XP (SP2, SP3), Vista (SP1), Windows Server 2003 R2 SP2, Server 2008.
Dimensions	Prima 4: (Single-sided : Prima401, Double-sided : Prima402) 343mm W x 320mm H x 330mm D (13.5" W x 12.6" H x 13" D).
Warranty	3 years UltraCoverPlus warranty (EU, North America and selected other territories). Elsewhere 12 months limited warranty.

Secure ID card printers





Pronto

Enduro

Printing		
Print technology	Dye sublimation/rewritable	Dye sublimation
Feed System	Manual	Manual/automatic
Card capacity: hopper input/ stacker output		100/30
Single-sided printer	3649-0001	3633-0001
Double-sided printer		3633-0021
Upgrade (single to double-sided)		3633-0052

Encoding / Variants		
Mag stripe encoding ISO 7811 - tracks 1, 2 & 3	3649-0002 (Pronto MAG)	3633-0002 (Enduro) 3633-0022 (Enduro Duo)
Mag Stripe HiCo / LoCo	●	●
Contact Chip encoding		
Contactless Mifare/iClass encoding		
Contactless Legic encoding		
Other configurations available on request (HID-Gemplus-Etag-Inside Technologies)		
Laminator		

Connectivity and Drivers		
USB connection	●	●
Ethernet Connection		
Windows 2000™/2003™/XP™/Vista™/7™	●	●

Warranty		
2 year limited	●	●
3 years UltraCoverPlus - (FREE loaner service)		
Printhead guarantee		

Visual security		
HoloKote® watermark - standard design	4 standard designs	4 standard designs
HoloKote® watermark - custom design		
Laminate (custom and stock Holographic)		
UV film		
HoloPatch®/Magstripe Cards	●	●

Print Speed		
Color (seconds)	35	35
Monochrome (seconds)	7	7

Card thickness (CR80 cards)		
mm	0.51 to 1.02	0.51 to 1.02
mil	20 to 40	20 to 40

Dimensions		
Width x Height x Depth : mm	215 x 233 x 270	206 x 233 x 453
Width x Height x Depth : inch	8.4 x 9.1 x 10.6	8.1 x 9.2 x 17.8
Weight Kg	4.4	5.5
Weight lb	9.7	12

Maintainance		
Cleaning Kit	CK1	3633-0053

BADGING SERIES



Rio 2e



Tango 2e



Prima 4

Dye sublimation	Dye sublimation	Reverse-transfer
Manual/automatic	Automatic	Automatic
100/50	100/50	100/100
M9006-749E		Prima 401
	M9006-745E	Prima 402

M9006-751E	M9006-747E	Prima 421 (single-sided)
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
		● (Module)

●	●	●
●	●	●
●	●	●

●	●	●
3 years	3 years	Lifetime

Ultra Secure logo	Ultra Secure logo	
●	●	
		●
		●
●	●	● (Magstripe only)

22	22	45-50 (depending on settings)
6	6	

0.51 to 1.60	0.51 to 1.60	0.25 to 1
20 to 63	20 to 63	10 to 40

194 x 233 x 370	194 x 233 x 471	343 x 320 x 330
7.6 x 9.2 x 14.5	7.6 x 9.2 x 18.6	13.5 x 12.6 x 13
7.2	8.3	15.5
15.8	18.3	34.1

M9005-761	M9005-761	Prima 491
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PROFESSIONAL SERIES

Use Original Magicard dye films for best performance and extended lifespan of your printer.



Magicard dye film and laminate selection guide

Color dye film with overcoat panel (YMCKO)
Color dye film with overcoat panel (YMCKO)
Double-sided dye film, prints color on one side, black on reverse (YMCKOK)
Black resin dye film with overcoat panel (KO)
Monochrome resin dye film - Black
Monochrome resin dye film - White
Monochrome resin dye film - Silver
Monochrome resin dye film - Gold
Monochrome resin dye film - Blue
Monochrome resin dye film - Red
Monochrome resin dye film - Green
Color dye film with overcoat panel (YMCKO) - LC1
Color dye film with overcoat and black panel (YMCKOK), prints color on one side, black on reverse - LC8
Black resin dye film with overcoat panel (KO) - LC6
Monochrome resin dye film (K) - Black
Monochrome resin dye film - Red - LC3
Monochrome resin dye film - Blue - LC3
Monochrome resin dye film - Green - LC3
Monochrome resin dye film - Gold - LC3
Monochrome resin dye film - Silver - LC3
Monochrome resin dye film - White - LC3
Set of YMCK dye film and reverse transfer film
Color dye film with additional black panel (YMCKK) - prints color on one side and black on reverse
Color dye film with UV panel (YMCK-UV)
Re-Transfer film (clear) - Pair with color films
Custom Holographic patch laminate films and overlay films
Patch laminate (clear or holographic) for Prima laminator
Overlay thin film (holographic) for Prima laminator

Print Capacity	Product Code	Pronto	Enduro	Rio 2e	Tango 2e	Prima 4
						
300	MA300YMCKO	●	●			
100	MA100YMCKO	●	●			
250	MA250YMCKOK		●			
600	MA600KO	●	●			
1000	MA1000K-Black	●	●			
1000	MA1000K-White	●	●			
1000	MA1000K-Silver	●	●			
1000	MA1000K-Gold	●	●			
1000	MA1000K-Blue	●	●			
1000	MA1000K-Red	●	●			
1000	MA1000K-Green	●	●			
350	M9005-751			●	●	
300	M9005-758				●	
600	M9005-756			●	●	
1000	M9005-753			●	●	
1000	M9005-751-1			●	●	
1000	M9005-753-2			●	●	
1000	M9005-753-3			●	●	
1000	M9005-753-5			●	●	
1000	M9005-753-6			●	●	
1000	M9005-753-7			●	●	
1000	Prima 431					●
750	Prima 433					●
750	Prima 434					●
1000	Prima 436					●
Special order						●
Call for part numbers						●
Call for part numbers						●